What Is Claimed Is:

1.   A method for automatically selecting a rendering intent, comprising:

5   identifying a device color profile associated with a device; and

automatically selecting a rendering intent based on the transform defined by the device color profile.

2.   The method of claim 1, wherein the device is a device to be
10   emulated.

3.   The method of claim 2, wherein the device is a printing press.

4.   The method of claim 3, further comprising:
15   receiving a selection indicative of the device color profile.

5.   The method of claim 2, further comprising:

determining a minimum luminance the printing press can produce; and

selecting one of a plurality of rendering intents based on a comparison of
20   the minimum luminance to one or more predefined thresholds.

6.   The method of claim 5, wherein the selecting step comprises:

selecting a first rendering intent when the minimum luminance exceeds a predefined threshold; and

25   selecting a second rendering intent otherwise.

7.   The method of claim 6, wherein:

selecting a first rendering intent includes selecting a perceptual rendering intent; and

selecting a second rendering intent includes selecting a colorimetric rendering intent.

8.   The method of claim 7, further comprising:

receiving input data from a graphic arts application;

generating output data using the input data and the selected rendering intent; and

sending the output data to a proofing printer.

9.   The method of claim 6, wherein selecting a first rendering intent includes selecting a composite rendering intent.

10.   The method of claim 6, wherein selecting a second rendering intent includes selecting a composite rendering intent.

11.   The method of claim 2, further comprising:

identifying an emulation device color profile associated with an emulation device;

wherein the selecting step further comprises selecting a rendering intent based on the emulation device color profile.

12.   The method of claim 11, wherein the device is a device to be emulated and the emulation device is a device to generate the output of the emulation.

13.   The method of claim 12, wherein the device is a printing press and the emulation device is a proofing printer, the method further comprising:

receiving a selection indicative of the printing press color profile; and

receiving a selection indicative of the proofing printer color profile.

14. The method of claim 13, further comprising:

selecting a first rendering intent when the difference between a minimum luminance the printing press can produce and a minimum luminance the proofing printer can produce exceeds a predefined value; and

selecting a second rendering intent otherwise.

15. The method of claim 14, wherein:

selecting a first rendering-intent includes selecting a perceptual rendering intent; and

selecting a second rendering intent includes selecting a colorimetric rendering intent.

16. The method of claim 14, wherein selecting a first rendering intent includes selecting a composite rendering intent.

17. The method of claim 14, wherein selecting a second rendering intent includes selecting a composite rendering intent.

18. The method of claim 13, further comprising:

selecting a first rendering intent when a color gamut of the printing press is substantially contained within a color gamut of the proofing printer; and

selecting a second rendering intent otherwise.

19. The method of claim 18, wherein:

selecting a first rendering intent includes selecting a perceptual rendering intent; and

selecting a second rendering intent includes selecting a colorimetric rendering intent.

20.   The method of claim 18, wherein selecting a first rendering intent includes selecting a composite rendering intent.

21.   The method of claim 18, wherein selecting a second rendering intent includes selecting a composite rendering intent.

22.   An apparatus for automatically selecting a rendering intent, comprising:

means for identifying a device color profile associated with a device; and

a rendering engine configured to automatically select a rendering intent based on the transform defined by the device color profile.

23.   The apparatus of claim 22, wherein the device is a device to be emulated.

24.   The apparatus of claim 23, wherein the device is a printing press.

25.   The apparatus of claim 24, wherein the means for identifying comprises:

means for receiving a selection indicative of the device color profile.

26.   The apparatus of claim 23, further comprising:

means for determining a minimum luminance the printing press can produce; and

means for selecting one of a plurality of rendering intents based on a comparison of the minimum luminance to one or more predefined thresholds.

27.   The apparatus of claim 26, wherein the means for selecting comprises:

means for selecting a first rendering intent when the minimum luminance exceeds a predefined threshold; and

means for selecting a second rendering intent otherwise.

28.   The apparatus of claim 27, wherein:

the means for selecting a first rendering intent includes means for selecting a perceptual rendering intent; and

the means for selecting a second rendering intent includes means for selecting a colorimetric rendering intent.

29.   The apparatus of claim 28, further comprising:

means for receiving input data from a graphic arts application;

means for generating output data using the input data and a selected rendering intent; and

means for sending the output data to the proofing printer.

30.   The apparatus of claim 27, wherein the means for selecting a first rendering intent includes means for selecting a composite rendering intent.

31.   The apparatus of claim 27, wherein the means for selecting a second rendering intent includes means for selecting a composite rendering intent.

32.   The apparatus of claim 23, further comprising:

means for identifying an emulation device color profile associated with an emulation device;

wherein the means for selecting further comprises means for selecting a rendering intent based on the emulation device color profile.

33. The apparatus of claim 32, wherein the device is a device to be emulated and the emulation device is a device to generate the output of the emulation.

34. The apparatus of claim 33, wherein the device is a printing press and the emulation device is a proofing printer, the apparatus further comprising:

means for receiving a selection indicative of the printing press color profile; and

means for receiving a selection indicative of the proofing printer color profile.

35. The apparatus of claim 34, further comprising:

means for selecting a first rendering intent when the difference between a minimum luminance the printing press can produce and a minimum luminance the proofing printer can produce exceeds a predefined value; and

means for selecting a second rendering intent otherwise.

36. The apparatus of claim 35, wherein:

the means for selecting a first rendering intent includes means for selecting a perceptual rendering intent; and

the means for selecting a second rendering intent includes means for selecting a colorimetric rendering intent.

37. The apparatus of claim 35, wherein the means for selecting a first rendering intent includes means for selecting a composite rendering intent.

38. The apparatus of claim 35, wherein the means for selecting a second rendering intent includes means for selecting a composite rendering intent.

39. The apparatus of claim 34, further comprising:

means for selecting a first rendering intent when a color gamut of the printing press is substantially contained within a color gamut of the proofing printer; and

means for selecting a second rendering intent otherwise.

40.   The apparatus of claim 39, wherein:

the means for selecting a first rendering intent includes means for selecting a perceptual rendering intent; and

the means for selecting a second rendering intent includes means for selecting a colorimetric rendering intent.

41.   The apparatus of claim 39, wherein the means for selecting a colorimetric rendering intent includes means for selecting a composite rendering intent.

42.   The apparatus of claim 39, wherein the means for selecting a perceptual rendering intent includes means for selecting a composite rendering intent.

43.   A computer program product, tangibly embodied on a computer-readable medium, for automatically selecting a rendering intent, the product comprising instructions operable to cause a processor to:

identify a device color profile associated with a device; and

automatically select a rendering intent based on the transform defined by the device color profile.

44.   The computer program product of claim 43, wherein the device is a device to be emulated.

45.   The computer program product of claim 44, wherein the device is a printing press.

46.   The computer program product of claim 45, further comprising instructions to:

receive a selection indicative of the device color profile.

47.   The computer program product of claim 44, further comprising instructions to:

determine a minimum luminance the printing press can produce; and

select one of a plurality of rendering intents based on a comparison of the minimum luminance to one or more predefined thresholds.

48.   The computer program product of claim 47, wherein the computer readable program code means for causing a computer to select comprises instructions to:

select a first rendering intent when the minimum luminance exceeds a predefined threshold; and

select a second rendering intent otherwise.

49.   The computer program product of claim 48, wherein:

the instructions to select a first rendering intent include instructions to select a perceptual rendering intent; and

the instructions to select a second rendering intent include instructions to select a colorimetric rendering intent.

50.   The computer program product of claim 49, further comprising instructions to:

receive input data from a graphic arts application;

generate output data using the input data and a selected rendering intent; and

send the output data to the proofing printer.

51. The computer program product of claim 48, wherein the instructions to select a colorimetric rendering intent include instructions to select a composite rendering intent.

52. The computer program product of claim 48, wherein the instructions to select a perceptual rendering intent include instructions to select a composite rendering intent.

53. The computer program product of claim 44, further comprising instructions to:

identify an emulation device color profile associated with an emulation device;

wherein the instructions to select step further comprise instructions to select a rendering intent based on the emulation device color profile.

54. The computer program product of claim 53, wherein the device is a device to be emulated and the emulation device is a device to generate the output of the emulation.

55. The computer program product of claim 54, wherein the device is a printing press and the emulation device is a proofing printer, the computer program product further comprising instructions to:

receive a selection indicative of the printing press color profile; and

receive a selection indicative of the proofing printer color profile.

56. The computer program product of claim 55, further comprising instructions to:

select a first rendering intent when the difference between a minimum luminance the printing press can produce and a minimum luminance the proofing printer can produce exceeds a predefined value; and

select a second rendering intent otherwise.

57. The computer program product of claim 56, wherein:

the instructions to select a first rendering intent include instructions to select a perceptual rendering intent; and

the instructions to select a second rendering intent include instructions to select a colorimetric rendering intent.

58. The computer program product of claim 56, wherein the instructions to select a second rendering intent include instructions to select a composite rendering intent.

59. The computer program product of claim 56, wherein the instructions to select a second rendering intent include instructions to select a composite rendering intent.

60. The computer program product of claim 55, further comprising instructions to:

select a colorimetric rendering intent when a color gamut of the printing press is substantially contained within a color gamut of the proofing printer; and

select a perceptual rendering intent otherwise.

61. The computer program product of claim 60, wherein:

the instructions to select a first rendering intent include instructions to select a perceptual rendering intent; and

the instructions to select a second rendering intent include instructions to select a colorimetric rendering intent.

62. The computer program product of claim 60, wherein the instructions to select a colorimetric rendering intent include instructions to select a composite rendering intent.

63. The computer program product of claim 60, wherein the instructions to select a perceptual rendering intent include instructions to select a composite rendering intent.